

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**HUMAN HEPATOMA DERIVED GROWTH FACTOR-2**

the specification of which [ ] is attached hereto or ☒ was filed on June 5, 1995 as Application Serial No. 08/464,600 and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendments referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s):

(Number)	(Country)	(Day/Month/Year Filed)	Priority Claimed	
			Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status - patented, pending, abandoned)
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(Application Serial No.)	(Filing Date)	(Status - patented, pending, abandoned)
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I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: John N. Bain (Reg. No. 18,651); John G. Gilfillan, III (Reg. No. 22,746); Elliot M. Olstein (Reg. No. 24,025); Raymond J. Lillie (Reg. No. 31,778); Charles J. Herron (Reg. No. 28,019); William Squire (Reg. No. 25,378); and Gregory Ferraro (Reg. No. 36,134) of Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein; Robert H. Benson (Reg. No. 30,446) of Human Genome Sciences, Inc., 9410 Key West Ave, Rockville, Maryland 20850-3338. Address correspondence and telephone calls to Gregory D. Ferraro c/o Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 - (201) 994-1700.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Charles A. Kunsch

**Inventor's signature:**

Date: \_\_\_\_\_

9/14/28

Residence: 15 Amarillo Court, Germantown, Maryland 20874

**Citizenship:** USA

**Post Office Address: Same**

Full name of second joint inventor: ~~Craig A. Rosen~~

**Inventor's signature:**

Date: \_\_\_\_\_

9/11/95

Residence: 22400 Rolling Hill Road, Laytonsville, Maryland 20882

**Citizenship:** USA

**Post Office Address: Same**

Docket No.: 325800-457

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Charles A. Kunsch of 8405 Dasher Court, Gaithersburg, Maryland 20882; Craig A. Rosen of 22400 Rolling Hill Road, Laytonsville, Maryland 20882 hereby sell, assign and transfer to HUMAN GENOME SCIENCES, INC. ("assignee") having a place of business at 9410 Key West Avenue, Rockville, Maryland 20850-3338 its successors, assigns and legal representatives, their entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

### HUMAN HEPATOMA DERIVED GROWTH FACTOR-2

for which application(s) for United States Letters Patent has (have) been executed by the undersigned on September 14, 1995 also known as United States Application Serial No. 08/464,600, filed June 5, 1995, and is entitled:

### HUMAN HEPATOMA DERIVED GROWTH FACTOR-2

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represent and warrant to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grant power to John N. Bain (Reg. No. 18,651); John G. Gilfillan, III (Reg. No. 22,746); Elliot M. Olstein (Reg. No. 24,025); Raymond J. Lillie (Reg. No. 31,778); Charles J. Herron (Reg. No. 28,019); William Squire (Reg. No. 25,378); Gregory D. Ferraro (Reg. No. 36,134); and Robert H. Benson (Reg. No. 30,446) to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: Charles A. Kunsch Date: 2-21-96  
Charles A. Kunsch

Inventor's Signature: Craig A. Rosen Date: 2/21/96  
Craig A. Rosen

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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 26, 1996

PTAS  
CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI  
& STEWART & OLSTEIN  
6 BECKER FARM ROAD  
ROSELAND, NJ 07068



\*100187172A\*

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/15/1996



REEL/FRAME: 7918/0637  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KUNSCH, CHARLES A.

DOC DATE: 02/21/1996

ASSIGNOR:

ROSEN, CRAIG A.

DOC DATE: 02/21/1996

ASSIGNEE:

HUMAN GENOME SCIENCES, INC  
9410 KEY WEST AVE.  
ROCKVILLE, MARYLAND 20850-3338

SERIAL NUMBER: 08464600

PATENT NUMBER:

FILING DATE: 06/05/1995

ISSUE DATE:

DATE RECEIVED: 8/2/96

DATES ENTERED: 8-7-96

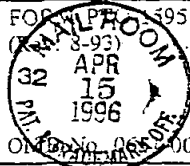
KEITH GOODE, EXAMINER  
ASSIGNMENT DIVISION  
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U.S. DEPARTMENT OF COMMERCE  
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OMB No. 0650-0011 (exp. 4/94)

To the Honorable Commissioner of Patent and Trademarks:  
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

KUNSCH, Charles A.; ROSEN, Craig A.

Additional name(s) of conveying party(ies) attached:

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security/Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: 2/21/96

2. Name and address of receiving party(ies):

Name: Human Genome Sciences, Inc.

Internal Address: \_\_\_\_\_

Street Address: 9410 Key West AveCity: Rockville State: MD Zip: 20850-3338Additional name(s) & address(es) attached: ☐ Yes ☒ No

4. Application number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

08/464,600

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gregory D. FerraroInternal Address: CARELLA, BYRNE, BAIN,  
GILFILLAN, CECCHI, STEWART & OLSTEINStreet Address: 6 Becker Farm RoadCity: Roseland State: NJ Zip: 070686. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41)....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

03-0678

(Attach duplicate copy of this page if paying by deposit account)

## DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Gregory D. Ferraro

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents &amp; Trademarks, Box Assignments

Washington, D.C. 20231

Docket No.: 325800-457